

Recovery Plan Action Status

Plan Name: Recovery Plan for the Endangered Speckled Dace of Clover and Independence Valleys (*Rhinichthys osculus lethoporus* and *Rhinichthys osculus oligoporus*)

Plan Status: Final

Plan Date: 12-May-98

Lead Agency: USFWS

Lead Office: Nevada Fish And Wildlife Office

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Independence Valley speckled dace (<i>Rhinichthys osculus lethoporus</i>)	1	1.2	Manage nonnative fish impacts to IVSD	Ongoing Current	FY 2005		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Internal Field Assistance, Species Expert	*USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan. However, NDOW may be better able to manage threats from largemouth bass and bluegill in Independence Valley. USGS surveys conducted in 2005 and 2006 indicate this does not appear to be a threat for Clover Valley speckled dace.
Clover Valley speckled dace (<i>Rhinichthys osculus oligoporus</i>), Independence Valley speckled dace (<i>Rhinichthys osculus lethoporus</i>)	2	1.3	Develop and implement habitat restoration / management plans	Not Started			Nevada Department of Wildlife, U.S. Fish and Wildlife Service, Private landowners	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning	Internal Technical Assistance, Species Expert	Estimated total cost is for the life of plan. **Change in the Responsible Parties from the Recovery Plan.
Clover Valley speckled dace (<i>Rhinichthys osculus oligoporus</i>), Independence Valley speckled dace (<i>Rhinichthys osculus lethoporus</i>)	1	2.1	Develop and implement a monitoring program	Ongoing Current	FY 1995 - FY 1999		Nevada Department of Wildlife, U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Management: Predator and Competitor Control, Management: Reintroduction, Research: General	Internal Technical Assistance, Species Expert	Estimated total cost is for the life of plan. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan. FWS should work with USGS to develop and implement the monitoring plan.

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Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	1	2.1.1	Collect baseline information	Ongoing Current	FY 1995 - FY 1999		Nevada Department of Wildlife, U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Research: Competition, Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Other Information, Research: Population Surveys, Research: Predation	Internal Field Assistance, Species Expert	Baseline information from 1997 to 1999 has been collected and analyzed for the Independence Valley speckled dace; however, the baseline is being re-assessed as a part of a 3-consecutive year survey (i.e., from 2006 to 2008). Data collection as part of the re-assessment has been completed, however, USGS have not completed data analysis. The baseline information for the Clover Valley speckled dace was collected and analyzed by USGS in 2006; however, recovery objectives require a consecutive 3 year baseline survey. Surveys completed for 2006 and 2007, however landowner was not in support of continued surveys for 2008. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan.

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Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	2	2.2	Develop GIS maps	Partially Complete	FY 1995 - FY 1999		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Population Surveys, Research: Predation	Internal Field Assistance, Internal Technical Assistance, Species Expert	For Independence Valley speckled dace, GIS maps were generated for the initial baseline survey conducted from 1997 to 1999. The baseline is being reassessed as a part of a 3-consecutive year survey (from 2006 - 2008), which will also produce a GIS map. Surveys completed in 2006 and 2007 for IVSD, however landowner was not supportive in 2008. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan.
Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	2	2.3	Determine life history characteristics	Partially Complete	FY 1995 - FY 1999		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Other Information, Research: Population Surveys	Species Expert	*USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan.
Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	2	2.4	Determine habitat requirements	Ongoing Current	FY 1995 - FY 1999		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service	Research: Habitat Requirements	Species Expert	Estimated total cost is for the life of plan. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan.
Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	3	3.1	Develop and implement participation plan	Ongoing Current	FY 2000 - FY 2004		Nevada Department of Wildlife, U.S. Fish and Wildlife Service, Private landowners	Other	Internal Technical Assistance, Species Expert	Private landowner contribution TBD. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan. **Change in the Responsible Parties from the Recovery Plan.

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Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	3	3.2	Develop and implement outreach program	Not Started			Nevada Department of Wildlife, U.S. Fish and Wildlife Service, Private landowners	Other: Information and Education	Internal Technical Assistance	Private landowner contribution TBD. No entity designated as lead in the Recovery Plan. **Change in the Responsible Parties from the Recovery Plan.
Clover Valley speckled dace (Rhinichthys osculus oligoporus), Independence Valley speckled dace (Rhinichthys osculus lethoporus)	3	4	Evaluate progress and revise plans and criteria	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Management: Planning	Internal Field Assistance, Internal Technical Assistance, Species Expert	Estimated total cost is for the life of plan. *USFWS has taken the lead for this task; no entity designated as such in the Recovery Plan.